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PTO/SB/50 (02-01)

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## REISSUE PATENT APPLICATION TRANSMITTAL

Address to:

Mail Stop Reissue  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22310-1450

Attorney Docket No.

EGG-PI-413 RE/RE

First Named Inventor

Detering et al

Original Patent Number

RE 37,853

Original Patent Issue Date  
(Month/Day/Year)

September 24, 2002

Express Mail Label No.

### APPLICATION FOR REISSUE OF:

(check applicable box)

☒ Utility Patent

☐ Design Patent

☐ Plant Patent

### APPLICATION ELEMENTS (37 CFR 1.173)

1. ☒ Fee Transmittal Form (e.g., PTO/SB/56)  
(Submit an original, and a duplicate for fee processing)
2. ☐ Applicant claims small entity status. See 37 CFR 1.27.
3. ☒ Specification and Claims in a double column copy of patent format (amended, if appropriate)
4. ☒ Drawing(s) (proposed amendments, if appropriate)
5. ☒ Reissue Oath / Declaration (original or copy)  
(37 C.F.R. § 1.175)(PTO/SB/51 or 52)
6. ☐ Power of Attorney
7. Original U.S. Patent currently assigned? ☒ Yes ☐ No  
(If Yes, check applicable box(es))
  - ☒ Written Consent of all Assignees (PTO/SB/53)
  - ☒ 37 C.F.R. § 3.73(b) Statement (PTO/SB/96)
8. ☐ CD-ROM or CD-R in duplicate, Computer Program (Appendix) or large table
9. Nucleotide and/or Amino Sequence Submission  
(if applicable, all of the following are necessary)
  - a. ☐ Computer Readable Form (CFR)
  - b. Specification Sequence Listing on:
    - i. ☐ CD-ROM (2 copies) or CD-R (2 copies); or
    - ii. ☐ paper
  - c. ☐ Statements verifying identity of above copies

### ACCOMPANYING APPLICATION PARTS

10. ☒ Statement of status/support for all changes to the claims.  
See 37 CFR 1.173(c).
11. ☐ Original U.S. Patent for surrender
  - ☐ Ribboned Original Patent Grant
  - ☐ Statement of Loss (PTO/SB/55)
12. ☐ Foreign Priority Claim (35 U.S.C. 119)  
(if applicable)
13. ☒ Information Disclosure Statement (IDS)/PTO-1449 ☒ Copies of IDS Citations
14. ☐ English Translation of Reissue Oath/Declaration  
(if applicable)
15. ☒ Preliminary Amendment
16. ☒ Return Receipt Postcard (MPEP 503)  
(Should be specifically itemized)
17. ☒ Other: Offer to Surrender

### 18. CORRESPONDENCE ADDRESS

☐ Customer Number or Bar Code Label

★ ★

or ☒ Correspondence address below

PATENT TRADEMARK OFFICE

Name	Stephen R. Christian				
	Bechtel BWXT Idaho, LLC				
Address	P.O. Box 1625				
City	Idaho Falls	State	Idaho	Zip Code	83415-3899
Country	U.S.A.	Telephone	208-526-9140	Fax	208-526-8339

NAME (Print/Type)	Stephen R. Christian	Registration No. (Attorney/Agent)	32,687
Signature	<i>Stephen R. Christian</i>	Date	31 JULY 2003

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<b>REISSUE APPLICATION FEE TRANSMITTAL FORM</b>						Docket Number (Optional) EGG-PI-413 RE/RE		
<b>Claims as Filed - Part 1</b>								
Claims in Patent	For	Number Filed in Reissue Application	(3) Number Extra	Small Entity		Other than a Small Entity		
				Rate	Fee	Rate	Fee	
(A) 73 (C) 7	Total Claims (37 CFR 1.16(j)) Independent Claims (37 CFR 1.16(i))	(B) 73	**** 0	X\$_____	or	X\$18=	0.00	
		(D) 7	* 0	=		X\$84=	0.00	
				=				
Basic Fee (37 CFR 1.16(h))					\$_____		\$ 750.00	
Total Filing Fee					\$_____	OR	\$ 750.00	
<b>Claims as Amended - Part 2</b>								
	(1) Claims Remaining After Amendment		(2) Highest Number Previously Paid For	(3) Extra Claims Present	Small Entity		Other than a Small Entity	
					Rate	Fee	Rate	Fee
Total Claims (37 CFR 1.16(j))	*** 73	MINUS	** 73	* =0	X\$_____	or	X\$18=	0.00
Independent Claims (37 CFR 1.16(i))	*** 7	MINUS	***** 7	=0	X\$_____		X\$84=	0.00
Total Additional Fee					\$_____	OR	\$0.00	
<p>* If the entry in (D) is less than the entry in (C), Write "0" in column 3.</p> <p>** If the "Highest Number of Total Claims Previously Paid For" is less than 20, Write "20" in this space.</p> <p>*** After any cancellation of claims</p> <p>**** If "A" is greater than 20, use (B - A); if "A" is 20 or less, use (B - 20).</p> <p>***** "Highest Number of Independent Claims Previously Paid For" or Number of Independent Claims in Patent (C).</p> <p><input type="checkbox"/> Applicant claims small entity status. See 27 CFR 1.27.</p> <p><input checked="" type="checkbox"/> Please charge Deposit Account No. <u>05-0565</u> in the amount of <u>\$750.00</u>. A duplicate copy of this sheet is enclosed.</p> <p><input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees under 37 CFR 1.16 or 1.17 which may be required, or credit any overpayment to Deposit Account No. <u>05-0565</u>. A duplicate copy of this sheet is enclosed.</p> <p><input type="checkbox"/> A check in the amount of \$_____ to cover the filing / additional fee is enclosed.</p> <p><input type="checkbox"/> Payment by credit card. Form PTO-2038 is attached.</p> <p><b>WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on form PTO-2038.</b></p> <div style="display: flex; justify-content: space-between; margin-top: 20px;"> <div style="width: 30%;"> <p style="font-size: 1.2em; margin: 0;">31 JULY 2003</p> <p style="margin: 0;">Date</p> </div> <div style="width: 60%; text-align: center;"> <p style="margin: 0;">Signature of Applicant, Attorney or Agent of Record</p> </div> </div> <div style="display: flex; justify-content: space-between; margin-top: 20px;"> <div style="width: 45%; text-align: center;"> <p style="margin: 0;">Stephen R. Christian</p> <p style="margin: 0;">Typed or printed name</p> </div> <div style="width: 50%; text-align: center;"> <p style="margin: 0;">Reg. No. 32,687</p> </div> </div>								

 19704 U.S. PTO  
 10/633464  
 07/31/03

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**STATEMENT UNDER 37 CFR 3.73(b)**

Attorney Docket Number: EGG-PI-413 RE/RE

Applicant/Patent Owner: BECHTEL BWXT IDAHO, LLC

Application No./Patent No.: RE 37,853

Filed/Issue Date: September 24, 2002

Entitled: FAST QUENCH REACTOR AND METHOD

BECHTEL BWXT IDAHO, LLC

a Limited Liability Company

(Name of Assignee)

(Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1. ☒ the assignee of the entire right, title, and interest; or
2. ☐ an assignee of an undivided part interest

in the patent application/patent identified above by virtue of either:

- A. ☐ An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

OR

- B. ☒ A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:

1. From: Brent A. Detering, Alan D. Donaldson, James R. Fincke, and Peter C. Kong  
To: Lockheed Idaho Technologies Company

The document was recorded in the United States Patent and Trademark Office at Reel 7415, Frame 0618, or for which a copy thereof is attached.

2. From: Lockheed Martin Idaho Technologies Company To: Bechtel BWXT Idaho, LLC

The document was recorded in the United States Patent and Trademark Office at Reel 010579, Frame 0985, or for which a copy thereof is attached.

3. From: \_\_\_\_\_ To: \_\_\_\_\_

The document was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

☐ Additional documents in the chain of title are listed on a supplemental sheet.

☐ Copies of assignments or other documents in the chain of title are attached.

[NOTE: A separate copy (i.e., the original assignment document or a true copy of the original document) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the USPTO. See MPEP 302.8]


The undersigned (whose title is supplied below) is empowered to sign this statement on behalf of the assignee.

21 July 2003  
Date

Mark D. Olsen  
Signature

Mark D. Olsen  
Typed or printed name

Assistant Secretary  
Title

<b>REISSUE APPLICATION: CONSENT OF ASSIGNEE; STATEMENT OF NON-ASSIGNMENT</b>		Docket Number (Optional) EGG-PI-413 RE/RE
This is part of the application for a reissue patent based on the original patent identified below.		
Name of Patentee(s) Brent A. Detering; Alan D. Donaldson, James R. Fincke, Peter C. Kong		
Patent Number RE 37,853	Date Patent Issued September 24, 2002	
Title of Invention FAST QUENCH REACTOR AND METHOD		
<p>1. <input checked="" type="checkbox"/> Filed herein is a certificate under 37 CFR 3.73(b). (Form PTO/SB/96)</p> <p>2. <input type="checkbox"/> Ownership of the patent is in the inventor(s), and no assignment of the patent has been made.</p> <p>One of boxes 1 or 2 above must be checked. If multiple assignees, complete this form for each assignee. If box 2 is checked, skip the next entry and go directly to "Name of Assignee".</p> <p>The written consent of all assignees and inventors owning an undivided interest in the original patent is included in this application for reissue.</p>		
The assignee owning an undivided interest in said original patent is/are <u>BECHTEL BWXT IDAHO, LLC</u> and the assignee(s) consents to the accompanying application for reissue.		
Name of assignee/inventor (if not assigned)  BECHTEL BWXT IDAHO, LLC		
Signature 	Date <u>21 July 2003</u>	
Typed or printed name and title of person signing for assignee (if assigned)  Mark D. Olsen, Assistant Secretary		

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**PATENT**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

**In re Application of:**

Detering et al

**Serial No.:** Not Yet Assigned

**Filed:**

**For:** FAST QUENCH REACTOR AND  
METHOD

**Confirmation No.:** Unknown

**Examiner:** Unknown

**Group Art Unit:** Unknown

**Attorney Docket No.:** EGG-PI-413 RE/RE

NOTICE OF EXPRESS MAILING

Express Mail Mailing Label Number: ER2002502551US  
Date of Deposit with USPS: July 31, 2003  
Person making Deposit: Mandy Fandon

**OFFER TO SURRENDER**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

The undersigned applicant of the accompanying reissue application of Letters Patent for "FAST QUENCH REACTOR AND METHOD", U.S. Patent No. RE 37,853, granted September 24, 2002, of which BECHTEL BWXT IDAHO, LLC is now sole owner by assignment and on whose behalf and with whose assent the accompanying application is made, hereby offers to surrender said Letters Patent.

Pursuant to 37 C.F.R. § 3.73, the undersigned representative of the Assignee has reviewed the evidentiary documents, specifically:

1. The Assignment from Brent A. Detering, Alan D. Donaldson, James R. Fincke, and Peter C. Kong to Lockheed Idaho Technologies Company, recorded March 14, 1995, at Reel 7415, Frame 0618; and

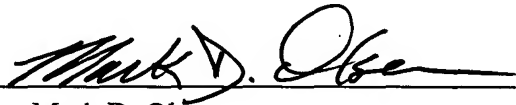
2. The Assignment from Lockheed Martin Idaho Technologies Company to Bechtel BWXT Idaho, LLC, recorded February 1, 2000, at Reel 010579, Frame 0985.

The undersigned further avers that he is empowered to make and sign the foregoing certification on behalf of the Assignee, and to take the action set forth herein on behalf of the Assignee, pursuant to a resolution of its Board of Directors.

Respectfully submitted,

BECHTEL BWXT IDAHO, LLC

Dated: 30 July 2003

By:   
Mark D. Olsen  
Assistant Secretary